

BP

OIPE

2-6-02

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/902,713B

DATE: 01/15/2002
 TIME: 20:11:29

Input Set : N:\jumbos\902713B.txt
 Output Set: N:\CRF3\01152002\I902713B.raw

PS

3 <110> APPLICANT: Genentech, Inc.
 4 Ashkenazi, Avi
 5 Botstein, David
 6 Desnoyers, Luc
 7 Eaton, Dan L.
 8 Ferrara, Napoleone
 9 Filvaroff, Ellen
 10 Fong, Sherman
 11 Gao, Wei-Qiang
 12 Gerber, Hanspeter
 13 Gerritsen, Mary E.
 14 Goddard, A.
 15 Godowski, Paul J.
 16 Grimaldi, Christopher J.
 17 Gurney, Austin L.
 18 Hillan, Kenneth, J.
 19 Kljavin, Ivar J.
 20 Mather, Jennie P.
 21 Pan, James
 22 Paoni, Nicholas F.
 23 Roy, Margaret Ann
 24 Stewart, Timothy A.
 25 Tumas, Daniel
 26 Williams, P. Mickey
 27 Wood, William, I.
 29 <120> TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 30 Acids Encoding the Same
 32 <130> FILE REFERENCE: 10466-14
 C--> 34 <140> CURRENT APPLICATION NUMBER: US/09/902,713B
 C--> 35 <141> CURRENT FILING DATE: 2001-12-18
 37 <150> PRIOR APPLICATION NUMBER: PCT/US00/04414
 38 <151> PRIOR FILING DATE: 2000-02-22
 40 <150> PRIOR APPLICATION NUMBER: US 60/143,048
 41 <151> PRIOR FILING DATE: 1999-07-07
 43 <150> PRIOR APPLICATION NUMBER: US 60/145,698
 44 <151> PRIOR FILING DATE: 1999-07-26
 46 <150> PRIOR APPLICATION NUMBER: US 60/146,222
 47 <151> PRIOR FILING DATE: 1999-07-28
 49 <150> PRIOR APPLICATION NUMBER: PCT/US99/20594
 50 <151> PRIOR FILING DATE: 1999-09-08
 52 <150> PRIOR APPLICATION NUMBER: PCT/US99/20944
 53 <151> PRIOR FILING DATE: 1999-09-13
 55 <150> PRIOR APPLICATION NUMBER: PCT/US99/21090
 56 <151> PRIOR FILING DATE: 1999-09-15
 58 <150> PRIOR APPLICATION NUMBER: PCT/US99/21547
 59 <151> PRIOR FILING DATE: 1999-09-15
 61 <150> PRIOR APPLICATION NUMBER: PCT/US99/23089

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65 <151> PRIOR FILING DATE: 1999-11-29
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68 <151> PRIOR FILING DATE: 1999-11-30
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71 <151> PRIOR FILING DATE: 1999-12-02
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74 <151> PRIOR FILING DATE: 1999-12-02
76 <150> PRIOR APPLICATION NUMBER: PCT/US99/30095
77 <151> PRIOR FILING DATE: 1999-12-16
79 <150> PRIOR APPLICATION NUMBER: PCT/US99/30911
80 <151> PRIOR FILING DATE: 1999-12-20
82 <150> PRIOR APPLICATION NUMBER: PCT/US99/30999
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85 <151> PRIOR FILING DATE: 2000-01-05
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98 cccgcagcgc tacccggcat gcgcctgccg cgccggccg cgctggggtt cctggccgtt 180
99 ctgctgtgc tgccgcccgc gccggaggcc gccaagaagc cgacgcccctg ccaccgggtc 240
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101 ggcgggaaca cggctggga ggaaaagacg ctgtccaagt acgagtcacg cgagattcgc 360
102 ctgctggaga tcctggagg gctgtgcag agcagcgact tcgaatgca tcagatgcta 420
103 gaggcgcagg aggacaccc ggaggcctgg tggctgcagc tgaagagcga atatcctgac 480
104 ttattcgagt gttttgtgt gaagacactg aaagtgtgt gctctccagg aacctacgtt 540
105 cccgactgtc tcgatgcca gggcggatcc cagaggccct gcagcggaa tggccactgc 600
106 agcggagatg ggagcagaca gggcgcacggg tcctggcggt gccacatgg gtaccaggc 660
107 ccgcgtgtca ctgactgcat ggacggctac ttcaactcgcc tccggaaacga gaccacagc 720
108 atctgcacag cctgtacga gtcctgcaag acgtgtcg gctgtacca cagagactgc 780
109 ggcgagtgta aagtggctg ggtgtggac gagggcgcct gtgtggatgt ggacgagtgt 840
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120 aaaaaaaaaa aaaggcggc cgc当地ctc gactgaccc gcaagctt ggc当地ccatg 1500
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Input Set : N:\jumbos\902713B.txt

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122 cacaataaa gcattttt cactgcattc tagtgtgtt ttgtccaaac tcataatgt 1620
 123 atcttatcat gtctggatcg ggaattaatt cggcgcagca ccatggcctg aaataacctc 1680
 124 tgaaagagga acttggttag gtaccttcgt aggccgaaag aaccagctgt ggaatgtgtg 1740
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 129 <211> LENGTH: 353
 130 <212> TYPE: PRT
 131 <213> ORGANISM: Homo sapiens
 133 <400> SEQUENCE: 2

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 138 20 25 30
 140 Arg Cys Arg Gly Leu Val Asp Lys Phe Asn Gln Gly Met Val Asp Thr
 141 35 40 45
 143 Ala Lys Lys Asn Phe Gly Gly Asn Thr Ala Trp Glu Glu Lys Thr
 144 50 55 60
 146 Leu Ser Lys Tyr Glu Ser Ser Glu Ile Arg Leu Leu Glu Ile Leu Glu
 147 65 70 75 80
 149 Gly Leu Cys Glu Ser Ser Asp Phe Glu Cys Asn Gln Met Leu Glu Ala
 150 85 90 95
 152 Gln Glu Glu His Leu Glu Ala Trp Trp Leu Gln Leu Lys Ser Glu Tyr
 153 100 105 110
 155 Pro Asp Leu Phe Glu Trp Phe Cys Val Lys Thr Leu Lys Val Cys Cys
 156 115 120 125
 158 Ser Pro Gly Thr Tyr Gly Pro Asp Cys Leu Ala Cys Gln Gly Gly Ser
 159 130 135 140
 161 Gln Arg Pro Cys Ser Gly Asn Gly His Cys Ser Gly Asp Gly Ser Arg
 162 145 150 155 160
 164 Gln Gly Asp Gly Ser Cys Arg Cys His Met Gly Tyr Gln Gly Pro Leu
 165 165 170 175
 167 Cys Thr Asp Cys Met Asp Gly Tyr Phe Ser Ser Leu Arg Asn Glu Thr
 168 180 185 190
 170 His Ser Ile Cys Thr Ala Cys Asp Glu Ser Cys Lys Thr Cys Ser Gly
 171 195 200 205
 173 Leu Thr Asn Arg Asp Cys Gly Glu Cys Glu Val Gly Trp Val Leu Asp
 174 210 215 220
 176 Glu Gly Ala Cys Val Asp Val Asp Glu Cys Ala Ala Glu Pro Pro Pro
 177 225 230 235 240
 179 Cys Ser Ala Ala Gln Phe Cys Lys Asn Ala Asn Gly Ser Tyr Thr Cys
 180 245 250 255
 182 Glu Glu Cys Asp Ser Ser Cys Val Gly Cys Thr Gly Glu Gly Pro Gly
 183 260 265 270
 185 Asn Cys Lys Glu Cys Ile Ser Gly Tyr Ala Arg Glu His Gly Gln Cys
 186 275 280 285
 188 Ala Asp Val Asp Glu Cys Ser Leu Ala Glu Lys Thr Cys Val Arg Lys
 189 290 295 300
 191 Asn Glu Asn Cys Tyr Asn Thr Pro Gly Ser Tyr Val Cys Val Cys Pro

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Input Set : N:\jumbos\902713B.txt
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194 Asp Gly Phe Glu Glu Thr Glu Asp Ala Cys Val Pro Pro Ala Glu Ala
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204 <211> LENGTH: 2206
205 <212> TYPE: DNA
206 <213> ORGANISM: Homo sapiens
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211 aacagccctg gctgaggggag ctgcagcgca gcagagtatc tgacggcgtc aggttgcgt 180
212 ggtgcggcac gaggagttt cccggcagcg aggaggctt gagcagcatg gcccgagga 240
213 ggcgccttccc tgcgcgcgcg ctctggctt ggagcatctt cctgtgcgtc ctggcactgc 300
214 gggcggagggc cggggccgcg caggaggaga gcctgtaccc atggatcgat gtcaccagg 360
215 caagagtaact cataggattt gaagaagata tcctgtattt ttcagagggg aaaatggcac 420
216 cttttacaca tgatttcaga aaagcgcaac agagaatgcc agctatttct gtcaatatcc 480
217 attccatgaa ttttacctgg caagctgcag ggcaggcaga atacttctat gaattcctgt 540
218 ctttgcgtc cctggataaaa ggcatcatgg cagatccaac cgtcaatgtc cctgtgcgtg 600
219 gaacagtgcc tcacaaggca tcagttgtt aagttggttt cccatgtctt ggaaaacagg 660
220 atgggggtggc agcatttgaa gtggatgtga ttgttatgaa ttctgaaggc aacaccatc 720
221 tccaaacacc tcaaaatgct atcttcttta aaacatgtca acaagcttag tgcccaggcg 780
222 ggtgcgaaaa tggaggctt tctaattggaa gacgcattcg cgagtgtctt gatgggttcc 840
223 acggacactca ctgtgagaaa gcccattgtt cccacatgt tatgaatgtt ggactttgt 900
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225 actgctcaac cacctgcattt aatggaggga cctgtttcta ccctggaaaa tgtatggcc 1020
226 ctccaggact agaggggagag cagtgtggaa tcagcaaatg cccacaaccc tgtcgaaatg 1080
227 gaggttaatg cattggtaaa agcaaatgtt agtgttccaa aggttaccag ggagacctct 1140
228 gttcaagcc tgcgtcgat cctggctgtt gtgcacatgg aacctgcatt gaacccaaca 1200
229 aatgcataatg tcaagaaggt tggcatggaa gacactgcaaa taaaaggtaa gaagccagcc 1260
230 tcatacatgc cctgaggcca gcaggcgccc agctcaggca gcacacgcct tcacttaaaa 1320
231 aggccgagga gcggcggtt ccacctgaat ccaattacat ctggtgaact ccgacatctg 1380
232 aaacgttttta agttacacca agttcatagc ctttggtaac ctttcatgtt ttgaatgttc 1440
233 aaataatgtt cattacactt aagaataactg gcctgaattt tattagctt attataaaatc 1500
234 actgagctga tatttactct tccttttaat tttttaatgt acgtctgtat catgtggta 1560
235 tagatttct tggatgttgc ctttggaca gattttatattat tatgtcaattt gatcaggta 1620
236 aaattttcag tgcgtatgtt gcagatattt tcaaaaattt aatgcattt tgggtctgg 1680
237 gggcaggggc acatcagaaaa gtttaaattt ggcaaaaatg cgtaagtccac aagaattttgg 1740
238 atgggtcagt taatgttgc gttacagcat ttcagattt attgtcagat atttagatgt 1800
239 ttgttacatt tttaaaaattt gctcttaatt ttttaactctt caatacaata tattttgacc 1860
240 ttaccattat tccagagattt cagtattttttt aaaaaaaaaaa ttacactgtt gtagtggcat 1920
241 tttaaaacata taatataattc taaacacaat gaaataggaa atataatgtt tgaacttttt 1980
242 gcattggcattt gaagcaatataatattt aaacaaaaca cagctcttac ctaataaaaca 2040
243 ttttatactg tttgtatgtt taaaataaaag gtgtgtctt agttttttgg aaaaaaaaaaa 2100
244 aaaaaaaaaaa aaaaaaaaaaa aaaaaaaaaaa gggcggccgc gactcttagag tcgacctgca 2160
245 gaagcttggc cgccatggcc caacttggttt attgcagctt ataatgtt 2206
247 <210> SEQ ID NO: 4

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248 <211> LENGTH: 379
 249 <212> TYPE: PRT
 250 <213> ORGANISM: Homo sapiens
 252 <400> SEQUENCE: 4

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 256 Ile Leu Leu Cys Leu Leu Ala Leu Arg Ala Glu Ala Gly Pro Pro Gln
 257 20 25 30
 259 Glu Glu Ser Leu Tyr Leu Trp Ile Asp Ala His Gln Ala Arg Val Leu
 260 35 40 45
 262 Ile Gly Phe Glu Glu Asp Ile Leu Ile Val Ser Glu Gly Lys Met Ala
 263 50 55 60
 265 Pro Phe Thr His Asp Phe Arg Lys Ala Gln Gln Arg Met Pro Ala Ile
 266 65 70 75 80
 268 Pro Val Asn Ile His Ser Met Asn Phe Thr Trp Gln Ala Ala Gly Gln
 269 85 90 95
 271 Ala Glu Tyr Phe Tyr Glu Phe Leu Ser Leu Arg Ser Leu Asp Lys Gly
 272 100 105 110
 274 Ile Met Ala Asp Pro Thr Val Asn Val Pro Leu Leu Gly Thr Val Pro
 275 115 120 125
 277 His Lys Ala Ser Val Val Gln Val Gly Phe Pro Cys Leu Gly Lys Gln
 278 130 135 140
 280 Asp Gly Val Ala Ala Phe Glu Val Asp Val Ile Val Met Asn Ser Glu
 281 145 150 155 160
 283 Gly Asn Thr Ile Leu Gln Thr Pro Gln Asn Ala Ile Phe Phe Lys Thr
 284 165 170 175
 286 Cys Gln Gln Ala Glu Cys Pro Gly Gly Cys Arg Asn Gly Gly Phe Cys
 287 180 185 190
 289 Asn Glu Arg Arg Ile Cys Glu Cys Pro Asp Gly Phe His Gly Pro His
 290 195 200 205
 292 Cys Glu Lys Ala Leu Cys Thr Pro Arg Cys Met Asn Gly Gly Leu Cys
 293 210 215 220
 295 Val Thr Pro Gly Phe Cys Ile Cys Pro Pro Gly Phe Tyr Gly Val Asn
 296 225 230 235 240
 298 Cys Asp Lys Ala Asn Cys Ser Thr Thr Cys Phe Asn Gly Gly Thr Cys
 299 245 250 255
 301 Phe Tyr Pro Gly Lys Cys Ile Cys Pro Pro Gly Leu Glu Gly Glu Gln
 302 260 265 270
 304 Cys Glu Ile Ser Lys Cys Pro Gln Pro Cys Arg Asn Gly Gly Lys Cys
 305 275 280 285
 307 Ile Gly Lys Ser Lys Cys Lys Cys Ser Lys Gly Tyr Gln Gly Asp Leu
 308 290 295 300
 310 Cys Ser Lys Pro Val Cys Glu Pro Gly Cys Gly Ala His Gly Thr Cys
 311 305 310 315 320
 313 His Glu Pro Asn Lys Cys Gln Cys Gln Glu Gly Trp His Gly Arg His
 314 325 330 335
 316 Cys Asn Lys Arg Tyr Glu Ala Ser Leu Ile His Ala Leu Arg Pro Ala
 317 340 345 350
 319 Gly Ala Gln Leu Arg Gln His Thr Pro Ser Leu Lys Lys Ala Glu Glu

→ Use of n and/or Xaa has been detected in the Sequence Listing.
 Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/902,713B

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Input Set : N:\jumbos\902713B.txt
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L:34 M:270 C: Current Application Number differs, Replaced Current Application Number
L:35 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:512 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:513 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:514 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:769 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:1701 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50
L:3586 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113
L:4040 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:131
L:5344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:174
L:5479 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:175
L:6540 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206